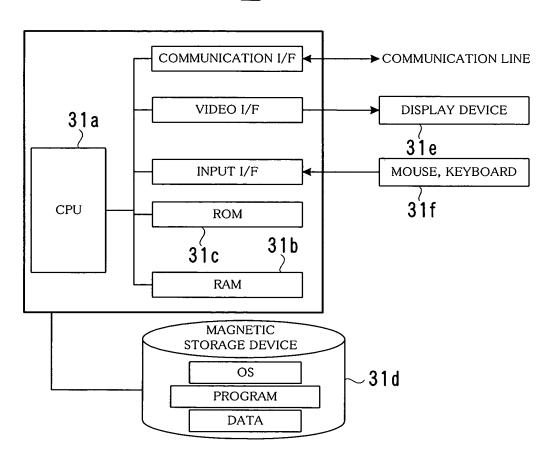
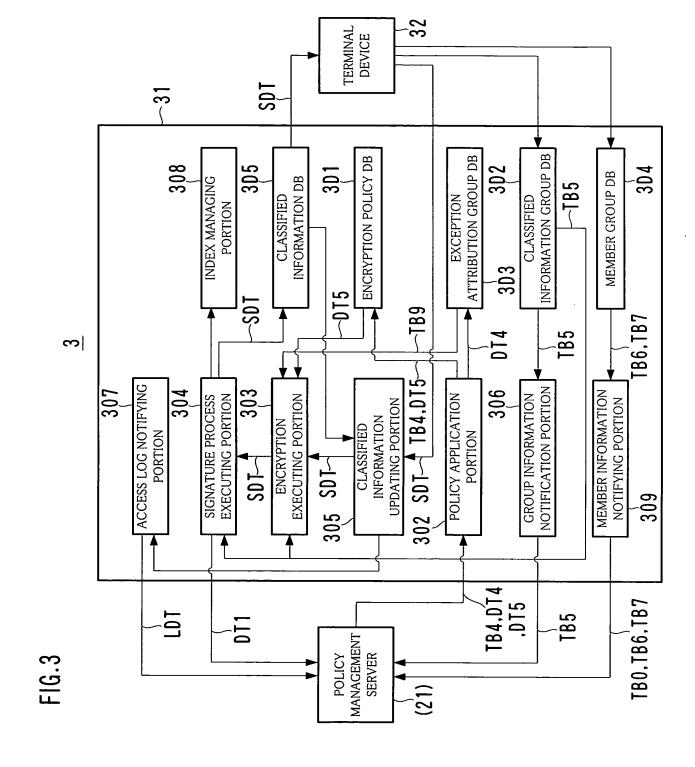
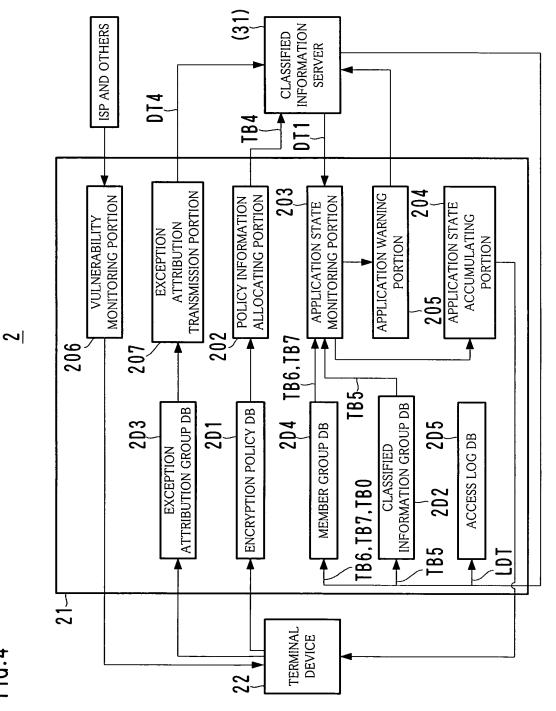
FIG.2









F16.5

TB4

ENCRYPTION RANK	ENCRYPTION SYSTEM	UPDATE FREQUENCY (EXPIRATION)	CLASSIFIED INFORMATION (CLASSIFICATION)
A	α ENCRYPTION SYSTEM	60 DAYS	OUTSIDE CONFIDENTIAL INFORMATION (CONFIDENTIAL LEVEL = HIGH)
В	B ENCRYPTION SYSTEM	600 DAYS	INTRA-COMPANY PERSONNEL MATTER
၁	γ ENCRYPTION SYSTEM OR σ ENCRYPTION SYSTEM	INDEFINITE PERIOD	INDEFINITE PERIOD CUSTOMER INFORMATION
D	β ENCRYPTION SYSTEM	INDEFINITE PERIOD	EXTENSION NUMBER LIST INFORMATION OUTSIDE CONFIDENTIAL INFORMATION (CONFIDENTIAL LEVEL = LOW)
• • •	• • •	• •	•••

SERVER ID	SALES STATION HAVING SERVER	CLASSIFIED INFORMATION GROUP	ENCRYPTION RANK	USER GROUP	CLASSIFICATION OF CLASSIFIED INFORMATION (STORAGE PLACE)	ENCRYPTION SYSTEM	THE NUMBER OF ENCRYPTION NUMBER BITS	RECORD NUMBER
S001	SALES STATION M G1	G1	S	THE FIRST SECTION (CUSTOMER WINDOW)	METER READ OF INFORMATION TABLE ENCRYPTION 128 BITS SYSTEM TABLE	σ ENCRYPTION SYSTEM	128 BITS	100
S001	SALES STATION M G2	G2	В	THE SECOND SECTION (PERSONNEL	TABLE OF INTRA-COMPANY PERSONNEL MATTER	β ENCRYPTION 256 BITS SYSTEM	256 BITS	50
S001	SALES STATION M G3	G 3)	THE THIRD SECTION (DEVELOPMENT DIVISION)	SOURCE FILE DIRECTORY	σ ENCRYPTION 128 BITS SYSTEM	128 BITS	100
2005	SALES STATION L G4	G4	А	THE FOURTH SECTION (SALES DIVISION)	PRESENTATION DIRECTORY	a ENCRYPTION 256 BITS SYSTEM	256 BITS	25
• • •	•••	•••	•••	•••	•••	•••	•••	• • •

FIG.7

<u>TB6</u>

SERVER ID	USER GROUP (DIVISION)			• • •
	ISECTION		CCC DDD	• • •
S001	THE SECOND SECTION	EEE FFF	GGG HHH	• • •
		•	•	

FIG.8

<u>TB7</u>

SERVER ID	USER GROUP (DIVISION)		VALID TERM		THE NUMBER OF SIGNATURE BITS
	THE FIRST SECTION	AAA BBB	30/11/2005	RSA	1024 BITS
S001	THE FIRST SECTION	CCC DDD	30/06/2006	RSA	1024 BITS
	•	•	•	•	•

FIG.9

TB0a(TB0)

AAA BBB

SERVER ID	CLASSIFIED INFORMATION GROUP	DOCUMENT ID
S001	G1	004
S001	G1	077
S001	G3	200
		•

TB0b(TB0)

CCC DDD

SERVER ID	CLASSIFIED INFORMATION GROUP	DOCUMENT ID
S001	G2	076
S001	G3	203
	•	•

:

FIG.10

<u>TB8</u>

SALES STATION (DIVISION)	CLASSIFICATION OF CLASSIFIED INFORMATION	ENCRYPTION RANK
SALES STATION M	TABLE OF INTRA-COMPANY PERSONNEL MATTER	A
SALES STATION L	METER READ INFORMATION TABLE	А
ENTIRE COMPANY	PAYMENT ACCOUNT TABLE	А
•	:	

FIG.11

<u>TB9</u>

CLASSIFICATION OF CLASSIFIED INFORMATION	ENCRYPTION RANK	
TABLE OF INTRA-COMPANY PERSONNEL MATTER	A	~DT4
PAYMENT ACCOUNT TABLE	A	~ DT4
:	•	

FIG.12

<u>TB1</u>

CUSTOMER NUMBER	NAME	ADDRESS	TEL. NUMBER	
A0001	III JJJ	CC TOWN, BB CITY, AA PREFECTURE	012-345-6789	├~SDT
A0002	KKK LLL	DD TOWN, BB CITY, AA PREFECTURE	012-345-0000	├~SDT
	:	:	•	

FIG.13

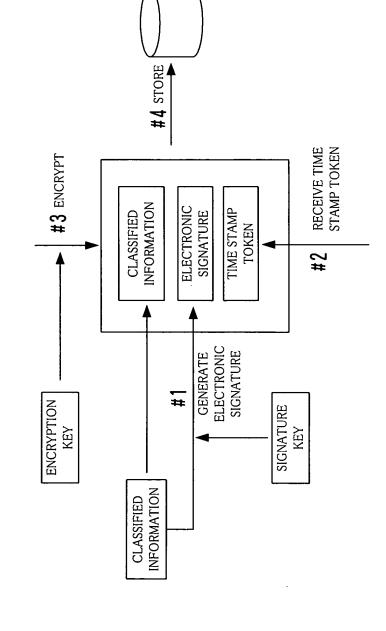
<u>TB2</u>

-	CUSTOMER NUMBER	METER READ VALUE	CDT
	A0001	950kWh	∼ SDΤ
	A0002	815kWh	\sim cn τ
	•	:	301
	•		

FIG.14

<u>TB3</u>

CUSTOMER NUMBER	PAYMENT METHOD	ACCOUNT NUMBER	
A0001	ΙΔΙΙΙΙΝΙΔΙΙΙ Μ/ΙΙΗΙΝΕΔΜ/ΔΙ	X BANK Y BRANCH SAVING ACCOUNT 012345	├~SDT
A0002	PAYMENT AT WINDOW		├~SDT
	•	•	



F16.15

FIG.16A FIG.16B **ENCRYPTION SUPPORT SERVER CLASSFIED INFORMATION SERVER START START** PREPARE AT SYSTEM #11 MANAGEMENT DIVISION SIDE #21 PREPARE AT SALES STATION PERFORM PROCESSES OF #22 **ENCRYPTION AND ELECTRONIC SIGNATURE** TRANSMIT (REPORT) #23 PROCESS CONTENTS ACCUMULATE APPLICATION #12 STATE #13 < APPLIED? YES NO #14 WARN #24 WARNING IS RECEIVED? YES NO

END

END

FIG.17

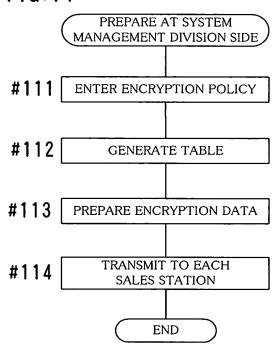


FIG.18

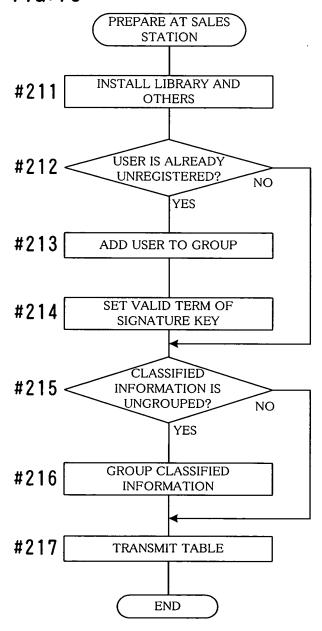


FIG.19A FIG.19B **ENCRYPTION SUPPORT SERVER** CLASSFIED INFORMATION SERVER **START START** #31 **MONITOR** #32 INSTRUCT UPDATE #41 **INSTALL** PERFORM PROCESSES OF **ENCRYPTION AND** #42 **ELECTRONIC SIGNATURE AGAIN** NOTIFY COMPLETION OF #43 PROCESS ACCUMULATE APPLICATION #33 STATE #34 -APPLIED? YES NO #35 WARN WARNING IS RECEIVED? YES NO

END

END

FIG.20

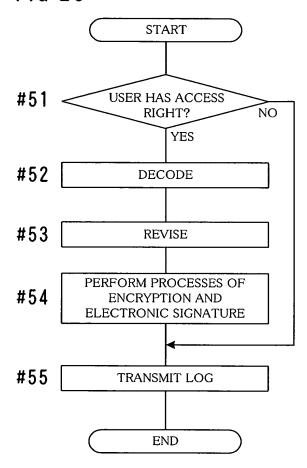


FIG.21

